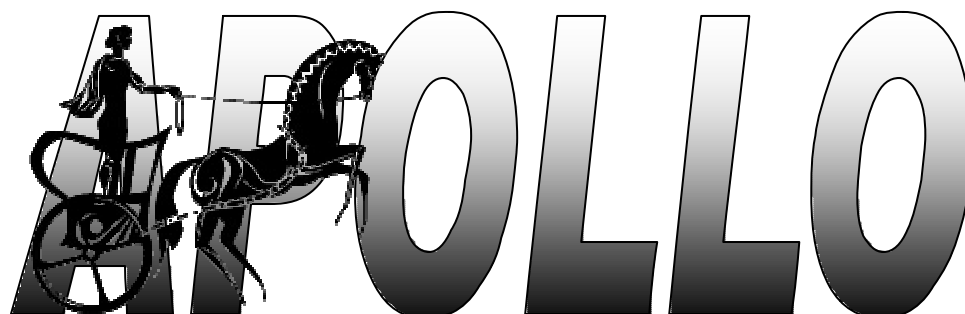


The



OWNER'S MANUAL



APOLLO OWNER'S MANUAL CONTENTS

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PARTS DESCRIPTION



INTRODUCTION

The Wheeltech Apollo has been designed for a single occupant mass of up to 115kg (18 stone).

The Apollo scooter is designed for use indoors and limited outdoor use. The scooter can be used on pavements and can be used to cross roads. Lights are included on the Apollo for night time use, however these lights are not suitable for use on roads.

All Medicare Technology medical devices are manufactured to the highest standards in accordance with EEC/93/42 and are CE marked.

The Apollo scooter is a robust and visually appealing product whilst being a cost-effective solution to minor mobility problems.

It is essential that you read this user manual fully before operating the product. Please return your warranty registration form to confirm you have read this manual. If you have any queries or problems, please contact the distributor from which you purchased the scooter.

Manufacturer: **Medicare Technology**,
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Brighouse, West Yorkshire,
Great Britain HD6 1PT.
Tel: +44 1484 727301
Email: enquiries@medicaretechnology.com
Web: www.medicaretechnology.com

PERSONAL SAFETY

The Wheeltech Apollo has been designed for a single occupant mass of up to 115kg (18 stone). The Apollo has been designed for users who experience difficulty or discomfort when walking for prolonged periods, but have the use of both legs and the physical, visual and cognitive ability to operate the scooter safely. Failure to comply with these safety guidelines could result in injury.

GENERAL OPERATING SAFETY PROCEDURES

Make sure that the power is switched off before mounting or dismounting from the scooter. For your health and comfort, make sure that you adopt a comfortable posture and that you can operate the controller unit with ease.

EMERGENCY BRAKING

To apply emergency braking whilst using the scooter simply release the wigwag paddle control and the electromagnetic brake will apply automatically. Alternatively, turn the scooter off at the key. However, this will cause the scooter to stop abruptly and may cause injury or damage.

PERSONAL SAFETY

FREEWHEEL DEVICE

Before operating the scooter, ensure the freewheel lever is engaged in the 'DRIVE' position. Failure to do could result in injury or damage

TURNING AND USING ON A GRADIENT GUIDELINES

Avoid sharp turns at high speed as this could result in the scooter tipping. This is especially relevant when turning on a gradient.

The scooter has been designed to climb gradients up to a maximum of 12°. However, other factors such as the surface of the gradient or the attributes of the user can vary this figure. If you are in any doubt about travelling up or down a gradient please find an alternative route. Do not attempt to turn the scooter around whilst on a gradient. Always turn on flat and level ground.

ELECTROMAGNETIC INTERFERENCE

Powered wheelchairs/scooters may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones. The interference (from radio sources) can cause the powered wheelchair/scooter to release its brakes, move by itself or move in unintended directions. It can also permanently damage the main control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered wheelchair/scooter can resist EMI up to a certain intensity. This is known as the units 'immunity level'. The higher the immunity level, the greater the protection. At this current time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI.

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the powered wheelchair's/scooter's control system whilst using these devices.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include citizens band (CB) radios, 'walkie talkies', security, fire, and police transceivers, cellular telephones and other personal communication devices.

Note : Some cellular telephones and similar devices transmit signals while they are ON, even when not being used.

2. Medium-range mobile transceivers, such as those used in police cars, fire engines, ambulances and taxis. These usually have the antenna mounted on the outside of the vehicle.
3. Long range transmitters and transceivers, such as commercial broadcast transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios.

PERSONAL SAFETY

Note : Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hairdryers, so far as we know, are not likely to cause EMI problems to your powered wheelchair/scooter.

Following the guidelines set out below should reduce the chances of unintended brake release or powered wheelchair/scooter movement, which could result in serious harm or injury.

1. Do not operate hand-held transceivers, such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered wheelchair/scooter is turned ON.
2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.
3. If unintended movement or brake release occurs, turn the powered wheelchair/scooter OFF as soon as it is safe to do so.
4. Be aware that adding accessories or components, or modifying the powered wheelchair/scooter, may make it more susceptible to EMI.
5. Report all incidents of unintended movement or brake release to the powered wheelchair/scooter manufacturer, and note whether there is a source of EMI nearby.

ASSEMBLING THE APOLLO

- 1) Ensure the scooter is switched off and the freewheel lever is engaged.
- 2) Loosen the tiller adjustment handle. Adjust the tiller so that it is in a comfortable operating position and tighten the tiller adjustment handle to secure. Install shopping basket if required.
- 3) Insert the power pack if required. Do this by rolling the wheels of the power pack in to the back of the cavity in the shroud. Then slowly lower the front end of the power pack in to the cavity in the shroud. You will hear a click when the power pack is locked in position. Ensure that you do not get your fingers caught in the handle area whilst performing this operation (*see photograph 2 in Parts Description*).
- 4) Insert the seat. See the next section on “Seat Removal and Installation” for details on how to do this.

DISASSEMBLING THE APOLLO

- 1) Ensure the scooter is switched off and the freewheel lever is engaged.
- 2) Remove the seat as described in the next section “Seat Removal and Installation”
- 3) Remove the shopping basket. Loosen the tiller adjustment handle and fold down the tiller. Retighten the tiller adjustment handle.
- 4) To manually pull the scooter use the carry handle ensuring the scooter runs on the rear anti-tip wheels.

SEAT REMOVAL AND INSTALLATION

TO REMOVE THE SEAT WITH THE SEAT STEM

1. Ensure the seat is in one of the ENGAGED positions (see diagram below)
2. Remove the seat stem locking pin (see *Parts Description*).
3. Pull the seat up.

TO INSERT THE SEAT WITH THE SEAT STEM

1. Insert the seat stem in to the scooter
2. Line up the holes at the required height and insert the seat stem locking pin through the scooter and seat stem.
3. Adjust the seat if necessary by following the guidelines below.

TO ROTATE THE SEAT

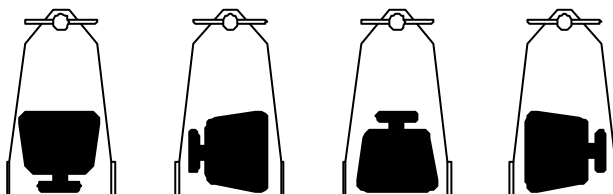
The seat comes with four engaged positions (see diagram below). To rotate the seat from another engaged position first lift up the seat lever. Keep the lever held up and rotate the seat to the required engaged position (see diagram below). Release the lever and twist the seat slightly until it locks in position. Check the seat is locked in position by trying to twist the seat. If the seat is locked in position no twisting should occur.

TO REMOVE THE SEAT WITHOUT THE SEAT STEM

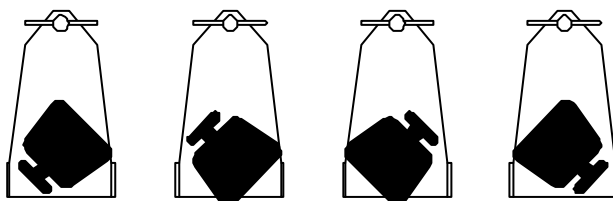
1. Lift up the seat lever and turn the seat slightly to disengage the seat lock. Slowly rotate the seat approximately 45° until you hear a loud click from under the seat.
2. The lever should now be lower than before and the seat in one of the removal positions shown in the diagram below.
3. Lift the seat up

TO INSERT THE SEAT WITHOUT THE SEAT STEM

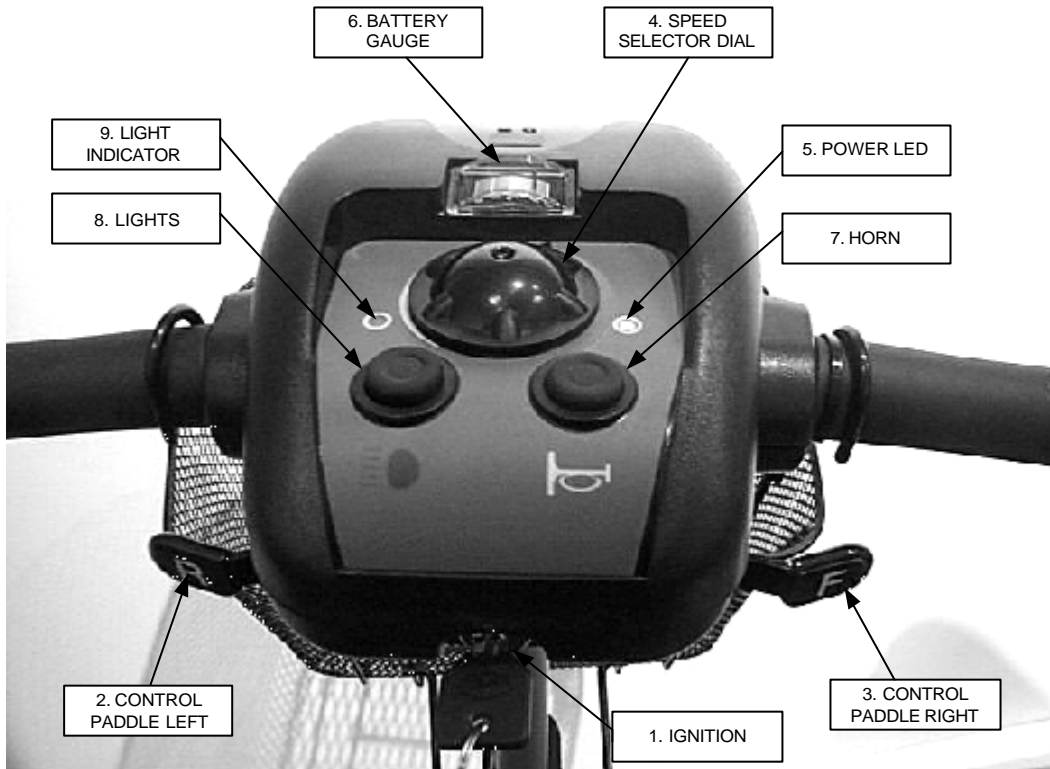
1. Insert the seat stem at one of the removal positions shown in the diagram below.
2. Lift up the seat lever.
3. Keep the lever held up and rotate the seat to the required engaged position (see diagram below). Release the lever and twist the seat slightly until it locks in position.
4. Check the seat is locked in position by trying to twist the seat. If the seat is locked in position no twisting should occur.



Above: Seat shown in the four possible "ENGAGED" positions
Below: Seat shown in the four possible "REMOVABLE" positions



CONTROL FUNCTIONS DESCRIPTION



Please refer to the diagram above.

1. **Ignition.** Turn the key supplied in the ignition to switch on the scooter.
2. **Paddle Control Left.** Push the left paddle control to go in a reverse direction, and release the paddle control to stop.
3. **Paddle Control Right.** Push the right paddle control to go in a forward direction, and release the paddle control to stop.
4. **Speed Selector.** Turn this dial to determine to speed range of the scooter. Turn the dial anti-clockwise to go slower and clockwise to go faster.
5. **Power LED.** When this LED is illuminated constantly it means the scooter is on and ready to use.
6. **Battery Gauge.** The battery gauge indicates how much power there is left in the battery when the scooter is in operation and moving. When the needle is constantly in the red, recharge the batteries (*see the battery charging section*)
7. **Horn.** Press the horn button to sound the horn when the scooter is switched on.
8. **Lights button.** Press the light button to switch the lights on and press again to switch the lights off.
9. **Lights indicator.** When this LED is lit is means the lights are switched on.

BATTERY CHARGING

The Apollo comes with battery charger and removable power pack (*see Parts Description section*). This power pack contains the batteries for recharging. The power pack can be charged either on board the scooter or when removed. The charger has two LEDs. One will illuminate red when there is power from the mains to charger. The second LED will illuminate amber whilst charging and then turn green when charging is almost complete.

To charge the power pack:

1. Switch the scooter off with the ignition key
2. If desired, remove the power pack by squeezing the handle whilst pulling up the handle. When the pack is removed, pull up the handle to its full extent and drag the power pack on its back wheels like a suitcase (*see photograph 3 in Parts Description*).
3. Pull out the rubber protector covering the charge point on the power pack. Insert the charging socket on the charger supplied.
4. Plug the mains lead into the charger and then in to the power socket and switch on.
5. Leave the batteries to charge for at least 12 hours and the charger's LED has been green for more than two hours.

SAFETY PRECAUTIONS

- Do not stand the battery charger on a carpet or other furnishing when in use.
- Always place on a hard surface in a well-ventilated area.
- Do not expose any part of your charger or battery to direct heat (e.g. a naked flame or gas / electric fire).
- Do not use your battery charger outdoors.
- The charger has integral fan which operates whilst the charger LED is amber. If the LED is lit amber but the fan is not working, replace the charger. Failure to do so could result in damage.

CHANGING THE BATTERIES

- The power pack supplied is a sealed unit. If you need to change the batteries or require an additional power pack these can be bought from your Medicare Technology dealer.
- Alternatively, Medicare Technology will refurbish your old unit with new batteries. Again, please enquire with your Medicare Technology dealer.

BATTERY MAINTENANCE

As with most electrically powered mobility products the crux of the performance lies in the treatment of the batteries. Although sealed batteries are known as zero maintenance that only refers to the acid level inside the battery. They must still be very well maintained in terms of charging.

Charging Procedure

The rule to follow regarding charging is as follows. Any time that the scooter has been used, even for ten minutes, it should be put through a charging cycle, not charged for only a couple of hours. This particular instruction requires following to the letter as partial charging can actually damage the battery. Also, if either of the batteries was to fail under a year, and no bad cell was evident, they would not be honoured by the manufacturer's warranty as there was no defect with the product.

If the vehicle has not been used for a period of 2 weeks or more it is again worth putting it through a charging cycle just to maintain the optimum performance of those batteries. If the product is not going to be in use for a period of two weeks or longer, it is advisable to disconnect the batteries so that they do not run down.

CARE AND MAINTENANCE

- Clean the Apollo with a damp cloth and dust down approximately once a week to preserve the appearance of the Apollo.
- Adjust the tiller height and return to the original position and swivel the seat once a week to ensure the parts adjust and remove smoothly and easily when required.
- Check for signs of wear and tear on the tyres and the upholstery on a regular basis.
- For optimum performance and to increase the lifespan of your scooter, it is recommended that you have your scooter serviced once a year.

TROUBLESHOOTING

Symptom	Remedy
The scooter will not switch on	<ul style="list-style-type: none"> • Try recharging the battery • Check the fuse and circuit breaker in the scooter
The scooter switches on, but the scooter will not move.	<ul style="list-style-type: none"> • Ensure there is enough power in the batteries. If not, recharge the batteries. • Ensure the freewheel lever is engaged in the 'DRIVE' position.
The scooter appears slow	<ul style="list-style-type: none"> • Check the battery power level and recharge • Check the speed dial is not set to slow.
The seat turns when in operation	<ul style="list-style-type: none"> • Slowly rotate the seat until it drops in to place and is secure
The handlebar appears loose	<ul style="list-style-type: none"> • Tighten the height adjustment handle to secure the handlebar
Horn is sounding involuntarily	<ul style="list-style-type: none"> • Ensure that the wigwag paddle is released. • Switch the scooter off and on. • Recharge the batteries. • If problem persists contact your Medicare dealer.

If any of the above problems persist or an unlisted problem occurs, then contact your Medicare Technology dealer.

SPECIFICATION

Code	AP001	Battery	17ah power pack
Description	Apollo scooter	Charger	24V 3A
Length	1170mm (46")	Front wheel	200 x 50 SOLID
Height	870mm (34")	Rear tyre	2x 3.00-4
Width	560mm (22")	Top speed	4mph (6kph)
Weight (with components)	52kg (114lb)	Driving system	Direct drive to rear wheels (with diff.)
Weight (without components)	27kg (59lb)	Braking system	Electromagnetic
Maximum User Mass	115kg (18 stone)	Climb angle	12°
Colour	Metallic Red	Range	15 mile (25 km)

SERVICE RECORD

YEAR 1 2 3 4 5						YEAR 1 2 3 4 5					
Section 1: Controls						Section 5: Motor					
On/Off Switch						Wiring					
Wigwag Paddle						Mounting					
Output plug						Function					
Operation						Noise Level					
Dynamic Braking						Commutator Cleaned					
Static Braking						Brushes					
Section 2: Batteries						Section 6: Upholstery					
Type (SLA/AGM/GI)						Seat					
Compartment						Back					
Connections						Armpads					
Wiring						Section 7: Body					
Battery test						Mounting					
Section 3: Wheels						Condition					
Type Pressure						Seat Mechanism					
Tyre Wear						Seat Adjustment					
Wheel Bearings						Section 8: Electrics					
Wheel Nuts Tight						Condition of Loom					
Tab Washers						Audible Warnings					
Lubricated / Greased						Charger					
Section 4: Chassis						Charger Connection					
General Condition						Sect 9: Drive Train					
Swivel Bearings						Transaxle Seals					
Tiller Pivot						Transaxle Noise Level					
List Items Repaired						Transaxle Mount Bkts					
						Section 10: Test Run					
						Test Run					

Service	Year 1	Year 2	Year 3	Year 4	Year 5
Dealer Name					
Sign / Date					

Customer Name	Date of Purchase
Address	Colour
	Serial No.
	Options Included
Postcode	

WARRANTY DETAILS

APOLLO WARRANTY

There is a comprehensive twelve month warranty from the date on which your new Apollo scooter is delivered. The warranty covers the scooter for repairs or replacement during this period. For more detail, please see the Warranty Conditions below.

Warranty Conditions:

1. Any work or replacement part installation must be carried out by an authorised Medicare Technology dealer / service agent.
2. To apply the warranty should your scooter require attention please contact the designated service agent listed below.
3. Should any part of the scooter require repair or full or part replacement, as a result of a manufacturing or material defect within twelve months of receiving the scooter, parts will be supplied free of charge.
Note: The guarantee is not transferable
4. Any repaired or replaced parts will be covered by this warranty for the balance of the warranty period on the scooter.
5. Parts replaced after the original warranty has expired will be covered by a three months warranty.
6. Consumable items supplied will not generally be covered during the normal warranty period unless such items require repair or replacement clearly as a direct result of a manufacturing or material defect.
Such items include (among others): upholstery, tyres and batteries.
7. The above warranty conditions apply to brand new scooters purchased at the full retail price. If you are unsure whether your scooter is covered, check with the service agent. Secondhand scooters supplied by Medicare Technology usually come with a six-month warranty.
8. Under normal circumstances, no responsibility will be accepted where the scooter has failed as a direct result of:
 - a) The scooter part not having been maintained in accordance with the manufacturer's recommendations.
 - b) Failure to use the manufacturer's specified parts
 - c) The scooter or part having been damaged due to neglect, accident or improper use
 - d) The scooter or part having been altered from the manufacturer's specifications or repairs having been attempted before the service agent is notified

Please note your local service agent's contact details in the box below. In the event of your scooter requiring attention, contact them and give all relevant details so they can act quickly.

The manufacturer reserves the right to alter without notice any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

Medicare Technology authorised Service Agent

Name
Address
Tel
Postcode